Terms used **CAD views** Found **44,034** of **140,980**

Sort results by relevance

Display results expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next

Best 200 shown Relevance scale

1 An object oriented approach to CAD tool control within a design framework

J. Daniell, S. W. Director

June 1989 **Proceedings of the 26th ACM/IEEE conference on Design automation**

Full text available: pdf(808.85 KB) Additional Information: full citation, abstract, references, citings, index terms

As VLSI design frameworks evolve, a distributed control mechanism for CAD tools has become a central research issue. In this paper, we present an object oriented tool integration methodology that treats the tools as objects. This approach simplifies CAD tool control within a design framework making the framework more general, easier to use, and more capable of supporting a large population of CAD tools.

2 FACE core environment: the model and its application in CAE/CAD tool development

W. D. Smith, D. Duff, M. Dragomirecky, J. Caldwell, M. Hartman, J. Jasica, M. A. d'Abreu

June 1989 **Proceedings of the 26th ACM/IEEE conference on Design automation**

Full text available: pdf(820.59 KB) Additional Information: full citation, abstract, references, citings, index terms

Many aspects of design automation software have similar requirements for representing, manipulating, and storing design information. The recognition of these common requirements in CAD tools, allows the Flexible Architecture Compilation Environment's (FACE) Core Environment to provide a suite of high level tools for the CAD developer. The Core Environment software has been developed using object-oriented software technology, and may be readily adapted to specific applications. The focus of ...

3 Design tool integration using object-oriented database views

Elke A. Rundensteiner

November 1993 **Proceedings of the 1993 IEEE/ACM international conference on Computer-aided design**

Full text available: pdf(461.55 KB) Additional Information: full citation, references, citings

4 Machine interpretation of CAD data for manufacturing applications

Qiang Ji, Michael M. Marefat

September 1997 **ACM Computing Surveys (CSUR)**, Volume 29 Issue 3

Full text available: pdf(1.90 MB) Additional Information: full citation, abstract, references, citings, index

h c g e cf c

terms, review

Machine interpretation of the shape of a component for CAD databases is an important problem in CAD/CAM, computer vision, and intelligent manufacturing. It can be used in CAD/CAM for evaluation of designs, in computer vision for machine recognition and machine inspection of objects, and in intelligent manufacturing for automating and integrating the link between design and manufacturing. This topic has been an active area of research since the late '70s, and a significant number of computat ...

Keywords: artificial intelligence, automated process planning, computer-aided design, computer-integrated manufacturing, feature recognition, flexible automation

5 An enhanced flow model for constraint handling in hierarchical multi-view design environments

Pieter van der Wolf, Olav ten Bosch, Alfred van der Hoeven

November 1994 **Proceedings of the 1994 IEEE/ACM international conference on Computer-aided design**

Full text available: pdf(958.27 KB) Additional Information: full citation, abstract, references, citings, index terms

In this paper we present an enhanced design flow model that increases the capabilities of a CAD framework to support design activities on hierarchical multi-view design descriptions. This flow model offers new constructs for the configuration of complex design constraints in terms of conditions on the hierarchical multi-view structure of a design. The design flow management system enforces these constraints and uses them to inform the designer more effectively about the validity of verifica ...

6 Designers and their machines: CAD use and support in the US and Japan

Jeffrey K. Liker, Mitchell Fleischer, Mitsuo Nagamachi, Michael S. Zonnevylle

February 1992 **Communications of the ACM**, Volume 35 Issue 2

Full text available: pdf(15.85 MB) Additional Information: full citation, references, index terms

Keywords: cross-national research on computer use, management of computing, user assessments, user support

7 Geometric modeling and meshes: Feature preservation in view-dependent multiresolution meshes

Markus Grabner

April 2002 **Proceedings of the 18th spring conference on Computer graphics**

Full text available: pdf(1.11 MB) Additional Information: full citation, abstract, references, index terms

Normal vector discontinuities on surfaces provide important visual cues for understanding the image of a geometrical object since they often indicate feature boundaries. We present an algorithm that preserves the appearance of features in view-dependent multiresolution meshes. The algorithm is shown to be efficient in terms of time and memory consumption. Our method is compatible with geomorphing to eliminate popping artefacts in interactive applications, and it can also be applied to texture co ...

Keywords: CAD, features, multiresolution, view-dependent simplification

8 A CODASYL CAD data base system

Günther Zintl

June 1981 **Proceedings of the 18th conference on Design automation**

Full text available: pdf(427.89 KB) Additional Information: full citation, abstract, references, citings, index terms

If in CAD systems a CODASYL data base system is used, one has to avoid some well known disadvantages. To achieve this, we defined for CAD needs in application programs a special high level data manipulation language (HLDML). With this concept the application programs get independent from the data base structure and they are able to work with a "many records at a time"- view. Other provisions reduced some overhead caused by the used data base system.

9 Highlights of CMU research on CAD, CAM and CAT of VLSI circuits

John Paul Shen

November 1999 **Proceedings of 1986 ACM Fall joint computer conference**

Full text available: pdf(1.35 MB) Additional Information: full citation, references, index terms

10 VLSI CAD tool integration using the Ulysses environment

Michael L. Bushnell, S. W. Director

July 1986 **Proceedings of the 23rd ACM/IEEE conference on Design automation**

Full text available: pdf(871.45 KB) Additional Information: full citation, abstract, references, citings, index terms

Ulysses is a VLSI CAD environment which effectively addresses the problems associated with CAD tool integration. Specifically, Ulysses allows the integration of CAD tools into a design automation system, the codification of a design methodology, and the representation of a design space. Ulysses keeps track of the progress of a design and allows exploration of the design space. The environment employs artificial intelligence techniques, functions as an inter ...

11 View planning for automated three-dimensional object reconstruction and inspection

William R. Scott, Gerhard Roth, Jean-François Rivest

March 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 1

Full text available: pdf(517.25 KB) Additional Information: full citation, abstract, references, index terms

Laser scanning range sensors are widely used for high-precision, high-density three-dimensional (3D) reconstruction and inspection of the surface of physical objects. The process typically involves planning a set of views, physically altering the relative object-sensor pose, taking scans, registering the acquired geometric data in a common coordinate frame of reference, and finally integrating range images into a nonredundant model. Efficiencies could be achieved by automating or semiautomating ...

Keywords: View planning, object inspection, object reconstruction, range images

12 Toward CAM-oriented CAD

Farhad Arbab, Larry Lichten, Michel A. Melkanoff

January 1982 **Proceedings of the 19th conference on Design automation**

Full text available: pdf(601.81 KB) Additional Information: full citation, abstract, references, index terms

A new solid modeling scheme is proposed and developed as the core of an integrated approach to the computer aided design and manufacture of mechanical parts. The benefits of this methodology, which considers the manufacturing process during the design phase, are discussed in the context of an integrated CAD/CAM system.

13 The user's view of CAD/CAM (Panel Session)

Ken Anderson, Myrl Thompson, D. H. W. Harris, R. Wilson, B. Crowley, C. Boyd, M. Wozny

July 1980 **ACM SIGGRAPH Computer Graphics , Proceedings of the 7th annual conference on Computer graphics and interactive techniques**, Volume 14 Issue 3

Full text available: pdf(26.46 KB) Additional Information: full citation, abstract, index terms

"The User's View of CAD/CAM" will share the experience gained in over 50 man-years of day-to-day use of CAD/CAM systems. Six industry segments are represented in this presentation. In addition, a wide range of systems costing under $50,000 to over $1,000,000 will be discussed. There is good news and bad news. All panelists admit to improved productivity and/or reduced design cycle time, but all is not free. You will hear about what it takes to operate an ...

14 Tools for view generation in object-oriented databases

Elke A. Rundensteiner

December 1993 **Proceedings of the second international conference on Information and knowledge management**

Full text available: pdf(1.06 MB) Additional Information: full citation, references, citings, index terms

15 A framework to support an object-oriented view of existing engineering databases

Rafiul Ahad

January 1988 **Proceedings of the 1988 ACM SIGSMALL/PC symposium on ACTES**

Full text available: pdf(1.07 MB) Additional Information: full citation, abstract, references, index terms

This paper presents a framework for an Object Management System (OMS) to support an object-oriented view of an existing engineering database. OMS is intended to run on a workstation to access the engineering database on another machine (host). OMS has three components: a Data Model (DM) to define the objects and the relationships among the objects that exist in the host database, a Transformation Model (TM) to define the modeling concepts that are not directly supported in the DM, and a Map ...

16 CHESHIRE: an object-oriented integration of VLSI CAD tools

L.-P. Demers, P. Jacques, S. Fauvel, E. Cerny

October 1987 **Proceedings of the 24th ACM/IEEE conference on Design automation**

Full text available: pdf(807.72 KB) Additional Information: full citation, abstract, references, index terms

We present an approach to the integration of VLSI CAD tools through the uniformization of interactions with design cells at both the user and the program levels. The integration model is based on the concept of objects applied to circuit cells. User interactions are achieved through a desk-top-like graphics interface. Regrouping of related or equivalent cell-objects into tissues represented by a generic cell helps with their management. Late binding of specific version cells then encourages ...

17 Efficient projection orders for CAD

Andreas Dolzmann, Andreas Seidl, Thomas Sturm

July 2004 **Proceedings of the 2004 international symposium on Symbolic and algebraic computation**

Full text available: pdf(258.35 KB) Additional Information: full citation, abstract, references, index terms

We introduce an efficient algorithm for determining a suitable projection order for performing cylindrical algebraic decomposition. Our algorithm is motivated by a statistical analysis of comprehensive test set computations. This analysis introduces several measures on both the projection sets and the entire computation, which turn out to be highly correlated. The statistical data also shows that the orders generated by our algorithm are significantly close to optimal.

Keywords: partial cad, projection operator, redlog

18 Neptune: a hypertext system for CAD applications

Norman Delisle, Mayer Schwartz

June 1986 **ACM SIGMOD Record , Proceedings of the 1986 ACM SIGMOD international conference on Management of data**, Volume 15 Issue 2

Full text available: pdf(1.25 MB) Additional Information: full citation, abstract, references, citings, index terms

Even though many of the essential notions of hypertext were first contained in the description of a "memex," written by Vannevar Bush in 1945 [Bus45], there are today only a few scattered implementations of hypertext, let alone any serious use of it in a CAD environment. In what follows, we describe what hypertext is all about. We describe a prototype hypertext system, named Neptune, that we have built. We show how it is useful, especially its broad applicability to CAD.

19 Design process management for CAD frameworks

M. F. Jacome, S. W. Director

July 1992 **Proceedings of the 29th ACM/IEEE conference on Design automation**

Full text available: pdf(816.20 KB) Additional Information: full citation, references, citings, index terms

20 Model-based object recognition in dense-range images—a review

Farshid Arman, J. K. Aggarwal

March 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 1

Full text available: pdf(3.42 MB) Additional Information: full citation, abstract, references, citings, index terms, review

The goal in computer vision systems is to analyze data collected from the environment and derive an interpretation to complete a specified task. Vision system tasks may be divided into data acquisition, low-level processing, representation, model construction, and matching subtasks. This paper presents a comprehensive survey of model-based vision systems using dense-range images. A comprehensive survey of the recent publications in each subtask pertaining to dense-range image object recogni ...

Keywords: 3D object recognition, 3D representations, CAD-based vision, dense-range images, image understanding

h c g e cf c

Your search matched **709** of **1058483** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:
You may refine your search by editing the current search expression or enter new one in the text box.

cad<and>views Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

1 **Design tool integration using object-oriented database views**
Rundensteiner, E.A.;
Computer-Aided Design, 1993. ICCAD-93. Digest of Technical Papers., 1993 IEEE/ACM International Conference on , 7-11 Nov. 1993
Pages:104 - 107

[Abstract] [PDF Full-Text (404 KB)] **IEEE CNF**

2 **Ipsilateral multi-view CAD system for mass detection in digital mammography**
Xuejun Sun; Wei Qian; Dansheng Song; Robert, A.C.;
Mathematical Methods in Biomedical Image Analysis, 2001. MMBIA 2001. IEE Workshop on , 9-10 Dec. 2001
Pages:19 - 26

[Abstract] [PDF Full-Text (948 KB)] **IEEE CNF**

3 **The use of relational pyramid representation for view classes in a C to-vision system**
Shapiro, L.G.; Lu Haiyuan;
Pattern Recognition, 1988., 9th International Conference on , 14-17 Nov. 19
Pages:379 - 381 vol.1

[Abstract] [PDF Full-Text (364 KB)] **IEEE CNF**

4 **CAD-based computer vision: from CAD models to relational graphs**
Flynn, P.J.; Jain, A.K.;
Pattern Analysis and Machine Intelligence, IEEE Transactions on , Volume: 13 , Issue: 2 , Feb. 1991
Pages:114 - 132

h eee e eee g e ch e ch e e c c e e

[Abstract] [PDF Full-Text (1824 KB)] IEEE JNL

5 **A multiple-view CAD representation for product modelling**
de Martino, T.;
Shape Modeling and Applications, 1997. Proceedings., 1997 International Conference on , 3-6 March 1997
Pages:78 - 85

[Abstract] [PDF Full-Text (1256 KB)] IEEE CNF

6 **The automatic construction of a view-independent relational model 3-D object recognition**
Zhang, S.; Sullivan, G.D.; Baker, K.D.;
Pattern Analysis and Machine Intelligence, IEEE Transactions on , Volume: 15 , Issue: 6 , June 1993
Pages:531 - 544

[Abstract] [PDF Full-Text (1168 KB)] IEEE JNL

7 **Mental registration of 2D and 3D visualizations (an empirical study)**
Tory, M.;
Visualization, 2003. VIS 2003. IEEE , 19-24 Oct. 2003
Pages:371 - 378

[Abstract] [PDF Full-Text (701 KB)] IEEE CNF

8 **AutoMod™ by autosimulations**
Phillips, T.;
Simulation Conference Proceedings, 1998. Winter , Volume: 1 , 13-16 Dec. 1
Pages:213 - 218 vol.1

[Abstract] [PDF Full-Text (548 KB)] IEEE CNF

9 **A relational pyramid approach to view class determination**
Lu, H.; Shapiro, L.G.; Camps, O.I.;
Interpretation of 3D Scenes, 1989. Proceedings., Workshop on , 27-29 Nov. 1
Pages:177 - 183

[Abstract] [PDF Full-Text (644 KB)] IEEE CNF

10 **Viewing IGES files through VRML**
Marti, J.;
Visualization '97., Proceedings , 19-24 Oct. 1997
Pages:471 - 474

[Abstract] [PDF Full-Text (704 KB)] IEEE CNF

11 **Simultaneous registration of multiple range views for use in reverse engineering**
Eggert, D.W.; Fitzgibbon, A.W.; Fisher, R.B.;
Pattern Recognition, 1996., Proceedings of the 13th International Conference on , Volume: 1 , 25-29 Aug. 1996

h eee e eee g e ch e ch e e c c e e

Pages:243 - 247 vol.1

[Abstract] [PDF Full-Text (504 KB)] IEEE CNF

---

12 **Mechanical design of alarm system for vehicles**
Senator, S.;
ELECTRO '96. Professional Program. Proceedings. , 30 April-2 May 1996
Pages:315 - 316

[Abstract] [PDF Full-Text (164 KB)] IEEE CNF

---

13 **Proceedings International Conference on Coordinated and Multiple Views in Exploratory Visualization - CMV 2003 -**

Coordinated and Multiple Views in Exploratory Visualization, 2003. Proceedinç International Conference on , 15 July 2003
[Abstract] [PDF Full-Text (227 KB)] IEEE CNF

---

14 **Second International Conference on 3-D Digital Imaging and Mode (Cat. No.PR00062)**

3-D Digital Imaging and Modeling, 1999. Proceedings. Second International Conference on , 4-8 Oct. 1999
[Abstract] [PDF Full-Text (204 KB)] IEEE CNF

---

15 **A complete system for recovery of 3D shapes from engineering drawings**
Devaux, P.M.; Lysak, D.B., Jr.; Chan Pyng Lai; Kasturi, R.;
Computer Vision, 1995. Proceedings., International Symposium on , 21-23 N(1995
Pages:145 - 150

[Abstract] [PDF Full-Text (500 KB)] IEEE CNF

---

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 2:
25 26 27 28 29 30 31 32 33 34 Next

---

h eee e eee g e ch e ch e e c c e e